



GP 1731

INFORMATION DISCLOSURE STATEMENT

In re Application of: Jeffrey Lindsay, et al.

Attorney Docket No.: KCX-436.A (16659.A) 3

Serial No.: 10/023,489

Date: June 24, 2002

Filed: December 18, 2001

Art Unit: 1731

Confirmation No.: 2351

Our Account No.: 04-1403

Title: Fibrous Materials Treated With A Polyvinylamine Polymer

Commissioner for Patents
U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

The following is an Information Disclosure Statement for the captioned patent application, pursuant to 37 CFR Sections 1.56, 1.97, and 1.98.

1.[X] Attached hereto is:

- a.[X] A list of materials for consideration per Rule 98(a)(1): 5 page(s)
- b.[X] A legible copy of each patent, publication, or other item listed per Rule 98(1)(2), unless not required per Rule 98(c) and/or (d) and as indicated on the attached list(s):
186 item(s)
- c.[] For each non-English language item listed, pursuant to Rule 98(a)(3), a concise explanation of the relevance thereof as it is presently understood by the individual designated in Rule 56(c) most knowledgeable about the content of such items: _____

[] Such explanation is provided in the Search Report from a corresponding application enclosed herewith along with any enclosed translation into English.

2.[X] This Information Disclosure Statement is being filed [CHECK ONE]:

- a.[X] WITHIN THREE MONTHS of the application filing date, national stage date of entry, or along with or after a request for continued examination, OR BEFORE the mailing date of a first Office Action on the merits, which ever event occurs last, WHEREFORE per Rule 97(b) NO filing fee or Rule 97(e) certificate is required.
- b.[] AFTER the time periods of section 2.a above, but BEFORE a Final Action, Notice of Allowance OR an action that otherwise closes prosecution, WHEREFORE per Rule 97(c) submitted herewith is [CHECK ONE]:
- i.[] Certification per Rule 97(e); OR
- ii.[] Filing Fee per Rule 17(p)\$180.00
- c.[] AFTER a Final Action OR Notice of Allowance, but BEFORE payment of the issue fee, WHEREFORE per Rule 97(d) submitted herewith is:
- i. Certification per Rule 97(e); AND
- ii. Filing fee per Rule 17(p)\$180.00

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3.[] Rule 97(e) Certification; per Rule 97(e), the undersigned certifying party make the following certification statement [CHECK ONE]:

- a.[] That each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; OR
- b.[] That no item of information contained in this Information Disclosure Statement was first cited in a foreign patent office in a counterpart foreign application and to the knowledge of the undersigned after making a reasonable inquiry, was known to any individual designated in Rule 56(c) more than three months prior to the filing of this statement.

CERTIFYING PARTY (if different from bottom signature; omission here indicates that certification is being made by signer per signature below).

Name: _____ Signature: _____
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4.[X] DEPOSIT ACCOUNT AUTHORIZATION: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.

5.[] CERTIFICATE OF MAILING: This Information Disclosure Statement is being filed pursuant to [CHECK AND COMPLETE ONE]:

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(Rev. 5/92) Information Disclosure Statement List By Applicant Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number KCX-436.A (16659.A)	Serial Number 10/023,489
	Applicant Jeffrey Lindsay, et al.	
	Filing Date: December 18, 2001 Confirmation No.: 2351	Group 1731

NOTE: If no indication is made in the column marked "COPY NOTE," the required legible copy of the corresponding item is submitted herewith; otherwise, a copy is not required and/or not submitted, for the following reason(s) [corresponding reason number is listed in "COPY NOTE" column]

- (1) This item is cumulative, per Rule 98(c)
- (2) A copy of this item was previously cited by or submitted to the U.S. Patent and Trademark Office in:
 USSN _____, filed _____, or
 USSN _____, filed _____;
 Relied on under 35 U.S.C. Section 120, per Rule 98(d)
- (3) Both reasons (1) and (2) apply
- (4) No legible complete copy is possessed, in custody of controlled, or readily available

U.S. PATENT DOCUMENTS										
EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER							ISSUE DATE	COPY NOTE
	Weisgerber	2	7	2	1	1	4	0	10/18/55	
	Cowen, et al.	3	2	2	5	0	7	4	12/21/65	
	Hervey, et al.	3	3	9	5	7	0	8	08/06/68	
	Chupka	3	4	7	1	3	6	7	10/07/69	
	Hervey, et al.	3	5	5	4	8	6	2	01/12/71	
	Hervey, et al.	3	5	5	4	8	6	3	01/12/71	
	Coscia, et al.	3	5	5	6	9	3	2	01/19/71	
	Williams, et al.	3	5	5	6	9	3	3	01/19/71	
	Beck	3	5	9	8	6	9	6	08/10/71	
	Keim	3	7	0	0	6	2	3	10/24/72	
	Keim	3	7	7	2	0	7	6	11/13/73	
	Rattray	3	7	7	5	2	2	0	11/27/73	
	Meisel, Jr., et al.	3	8	4	4	8	8	0	10/29/74	
	Gentile, et al.	3	8	7	9	2	5	7	04/22/75	
	Flutie, et al.	3	8	8	5	1	5	8	05/20/75	
	Petrovich, et al.	3	8	9	9	3	8	8	08/12/75	
	Vossos, et al.	3	9	1	6	0	5	8	10/28/75	
	Verseput	3	9	2	3	5	9	3	12/02/75	
	Martinsson, et al.	3	9	7	2	8	5	5	08/03/76	
	Morgan, Jr., et al.	3	9	9	4	7	7	1	11/30/76	
	Mazzarella, et al.	4	0	2	8	1	7	2	06/07/77	
	Hayek	4	0	6	9	1	5	9	01/17/78	
	Wahren	4	0	7	0	2	3	8	01/24/78	
	Dake, et al.	4	1	1	2	1	6	7	09/05/78	
	Petrovich	4	1	2	9	5	2	8	12/12/78	
	Iovine, et al.	4	1	2	9	7	2	2	12/12/78	
	Reischl	4	1	3	7	3	6	0	01/30/79	
	Emanuelsson, et al.	4	1	4	4	1	2	2	03/13/79	
	Petrovich	4	1	4	7	5	8	6	04/03/79	
	Becker, et al.	4	1	5	8	5	9	4	06/19/79	
	Dunning	4	1	6	6	0	0	1	08/28/79	
	Markofsky	4	2	1	0	4	8	9	07/01/80	
	Dubin	4	2	1	7	2	1	4	08/12/80	
	Van Eenam	4	2	2	2	9	2	1	09/16/80	
	Kearney, et al.	4	2	2	5	3	8	2	09/30/80	
	Evani, et al.	4	2	4	2	4	0	8	12/30/80	
	Rudy, et al.	4	2	5	5	2	9	4	03/10/81	
	Wingard, Jr., et al.	4	2	5	5	5	4	8	03/10/81	
	Pacifici, et al.	4	2	9	7	8	6	0	11/03/81	
	Carstens	4	3	0	0	9	8	1	11/17/81	

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	Wesseler	4	3	1	4	0	0	1	02/02/82
	Strolibeen, et al.	4	3	7	7	5	4	3	03/22/83
	Brunnmueller, et al.	4	4	2	1	6	0	2	12/20/83
	Breese	4	4	3	2	8	3	3	02/21/84
	Wells, et al.	4	4	4	0	5	9	7	04/03/84
	Stenberg	4	4	4	5	9	7	4	05/01/84
	Klowak	4	4	8	2	4	2	9	11/13/84
	Johnson, et al.	4	5	1	4	3	4	5	04/30/85
	Trokhan	4	5	2	8	2	3	9	07/09/85
	Trokhan	4	5	2	9	4	8	0	07/16/85
	Chuang, et al.	4	5	5	6	4	5	0	12/03/85
	Kollmeier, et al.	4	6	5	4	1	6	1	03/31/87
	Soerens	4	6	8	4	4	3	9	08/04/87
	Maxon	4	7	1	7	4	9	8	01/05/88
	Hopkins	4	7	7	3	1	1	0	09/27/88
	Pfohl, et al.	4	7	7	4	2	8	5	09/27/88
	Nuesslein, et al.	4	7	7	6	9	6	5	10/11/88
	Soerens, et al.	4	7	9	5	5	3	0	01/03/89
	Itagaki, et al.	4	8	0	8	6	8	3	02/28/89
	Degen, et al.	4	8	1	8	3	4	1	04/04/89
	Phohl, et al.	4	8	8	0	4	9	7	11/14/89
	Itagaki, et al.	4	9	5	7	9	7	7	09/18/90
	Spendel	4	9	5	9	1	2	5	09/25/90
	O'Lenick, Jr.	4	9	6	0	8	4	5	10/02/90
	Phohl, et al.	4	9	7	8	4	2	7	12/18/90
	Gayman	5	0	3	7	5	6	0	08/06/91
	Cook, et al.	5	0	4	8	5	8	9	09/17/91
	Itagaki, et al.	5	0	6	4	9	0	9	11/12/91
	O'Lenick, Jr.	5	0	7	0	1	6	8	12/03/91
	O'Lenick, Jr.	5	0	7	0	1	7	1	12/03/91
	O'Lenick, Jr.	5	0	7	3	6	1	9	12/17/91
	Bjorkquist	5	0	8	5	7	3	6	02/04/92
	Smurkoski, et al.	5	0	9	8	5	2	2	03/24/92
	O'Lenick, Jr.	5	0	9	8	9	7	9	03/24/92
	O'Lenick, Jr. et al.	5	1	2	0	8	1	2	06/09/92
	Ohshima, et al.	5	1	3	5	2	9	4	08/04/92
	O'Lenick, Jr.	5	1	4	9	7	6	5	09/22/92
	Janda	5	1	7	8	7	2	9	01/12/93
	Chamberlain, et al.	5	1	9	4	2	6	3	03/16/93
	O'Lenick, Jr.	5	1	9	6	4	9	9	03/23/93
	Andersson, et al.	5	2	3	0	7	7	6	07/27/93
	Smigo, et al.	5	2	3	2	5	5	3	08/03/93
	O'Lenick, Jr., et al.	5	2	3	7	0	3	5	08/17/93
	Smurkoski, et al.	5	2	6	0	1	7	1	11/09/93
	Harrington, IV, et al.	5	2	6	9	9	4	2	12/14/93
	Trokhan	5	2	7	5	7	0	0	01/04/94
	Imperante, et al.	5	2	8	0	0	9	9	01/18/94
	Chen, et al.	5	2	9	2	4	4	1	03/08/94
	Karl, et al.	5	2	9	6	4	3	4	03/22/94
	Imperante, et al.	5	3	0	0	6	6	6	04/05/94
	Langley	5	3	2	4	4	4	5	06/28/94
	Rasch, et al.	5	3	2	8	5	6	5	07/12/94
	Trokhan, et al.	5	3	3	4	2	8	9	08/02/94
	Scattolino, et al.	5	3	3	6	3	7	3	08/09/94
	Orloff	5	3	5	3	5	2	1	10/11/94
	Hermans, et al.	5	4	1	1	6	3	6	05/02/95
	Rasch, et al.	5	4	3	1	7	8	6	07/11/95
	Edwards, et al.	5	4	9	4	5	5	4	02/27/96
	Stelljes, et al.	5	4	9	6	6	2	4	03/05/96
	Trakhan, et al.	5	5	0	0	2	7	7	03/19/96

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	Sarkar, et al.	5	5	0	7	9	1	4	04/16/96
	Trokhan, et al.	5	5	1	4	5	2	3	05/07/96
	Shet	5	5	2	2	9	6	7	06/04/96
	Schrell, et al.	5	5	2	9	5	8	5	06/25/96
	Trokhan, et al.	5	5	5	4	4	6	7	09/10/96
	Trokhan, et al.	5	5	5	4	4	6	9	09/10/96
	Trokhan, et al.	5	5	6	6	7	2	4	10/22/96
	Orloff, et al.	5	5	9	8	6	4	2	02/04/97
	Chuang, et al.	5	5	9	8	6	4	3	02/04/97
	Barringer Ledford	5	6	1	4	5	9	8	03/25/97
	Trokhan, et al.	5	6	2	4	7	9	0	04/29/97
	Ayers, et al.	5	6	2	8	8	7	6	05/13/97
	Ampulski, et al.	5	6	3	7	1	9	4	06/10/97
	Farrington, et al.	5	6	5	6	1	3	2	08/12/97
	Engel, et al.	5	6	6	7	6	3	6	09/16/97
	Shet, et al.	5	7	0	3	2	2	5	12/30/97
	Wendt, et al.	5	7	3	0	8	3	9	03/24/98
	Farrington, Jr., et al.	5	7	7	2	8	4	5	06/30/98
	Myers	5	7	9	8	0	7	8	08/25/98
	Brodeur	5	8	0	3	2	7	0	09/08/98
	Ampulski, et al.	5	8	5	5	7	3	9	01/05/99
	Ampulski, et al.	5	8	9	7	7	4	5	04/27/99
	Farrington, Jr., et al.	5	9	3	2	0	6	8	08/03/99
	Chen, et al.	5	9	4	8	5	0	7	09/07/99
	Luu, et al.	5	9	6	1	7	8	2	10/05/99
	Sato, et al.	5	9	6	2	5	7	0	10/05/99
	Phan, et al.	5	9	8	1	0	4	4	11/09/99
	Chen, et al.	5	9	9	0	3	7	7	11/23/99
	Boutilier, et al.	6	0	1	0	5	9	8	01/04/00
	Schroeder, et al.	6	0	3	0	6	7	5	02/29/00
	Hemans, et al.	6	0	9	6	1	6	9	08/01/00
	Munerelle, et al.	6	1	0	3	0	6	0	08/15/00
	Oriaran, et al.	6	1	0	3	0	6	3	08/15/00
	Hada, et al.	6	1	4	3	1	3	5	11/07/00
	O'Lenick, Jr.	6	1	7	5	0	2	8	01/16/01
	Norlander	6	1	7	6	9	7	3	01/23/01
	Collins, et al.	6	2	0	0	3	5	4	03/13/01
	Messner, et al.	6	2	0	1	0	9	3	03/13/01
	Wolkowicz	6	2	1	0	5	2	8	04/03/01
	Schroeder, et al.	6	2	2	4	7	1	4	05/01/01
	Shannon, et al.	6	2	7	4	6	6	7	08/14/01
	Galante, et al.	6	3	0	6	2	4	9	10/23/01

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	TRANSLATION			COPY NOTE
				YES	NO	N/A	
	WO	0 0 1 1 0 4 6	03/02/00	X			
	JP	3 1 6 2 6 9 6	12/07/91			X	
	WO	0 0 4 3 4 2 8	07/27/00	X			
	WO	0 0 5 0 4 6 2 A 1	08/31/00	X			
	WO	0 0 0 9 8 0 6	02/24/00	X			
	WO	0 1 8 3 8 8 7 A 1	11/08/01	X			
	WO	0 1 4 9 9 3 7 A	07/12/01	X			

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		WO	0	1	4	1	6	8	9	A	1	06/14/01	X				
		WO	0	1	3	4	9	0	3	A	1	05/17/01	X				
		WO	0	1	0	4	2	4	7	A	1	01/18/01	X				
		WO	9	9	6	7	2	1	6			12/29/99	X				
		WO	9	7	2	7	3	6	3			07/31/97	X				
		WO	0	1	1	2	4	1	4	A	1	02/22/01	X				
		EP	0	8	5	1	9	5	0	B	1	09/29/99	X				
		EP	1	0	1	3	8	2	5	A	1	06/28/00	X				
		EP	1	0	3	9	0	2	7	A	1	09/27/00			X		
		WO	0	1	0	1	9	6	4			01/11/01	X				
		WO	0	1	3	2	9	7	4	A	2	05/10/01	X				
		WO	0	0	5	6	9	7	2			09/28/00	X				
		EP	0	4	9	3	0	1	1	A	2	07/01/92	X				
		EP	0	6	6	8	2	4	5	B	1	12/16/98	X				
		EP	0	7	4	3	1	7	2	A	1	20/11/96	X				
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		WO	0	1	4	5	6	1	3	A	1	06/28/01	X				
		WO	0	1	3	5	9	2	4	A	1	05/25/01	X				
		WO	0	0	3	4	5	8	3			06/15/00	X				
		EP	1	0	7	7	2	8	6	A	1	02/21/01	X				
		EP	1	0	7	7	2	8	5	A	1	02/21/01	X				
		DE	2	9	3	6	2	3	9			03/19/81			X		

*"NO" means that no copy of an English language translation is within the possession, custody, or control of, or is readily available to any individual designated in Rule 56(c).

EXAMINER INITIALS		OTHER DOCUMENTS	COPY NOTE
		Specify author (if any), Title, Pertinent Pages, Date & Place of Publication	
		F. Clifford, "Foam Finishing Technology: The Controlled Application of Chemicals to a Moving Substrate," <i>Textile Chemist and Colorist</i> , Vol. 10, No. 12, 1978, pp. 37-40	
		C.W. Aurich, "Uniqueness in Foam Application Processes," <i>Tappi Nonwovens Conference</i> , Tappi Press, Atlanta, Georgia, 1992, pp. 15-19	
		W. Hartmann, "Application Techniques for	

(Rev. 5/92) Information Disclosure Statement By Applicant Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number	Serial Number
	KCX-436.A (16659.A)	10/023,489
	Applicant	
	Jeffrey Lindsay, et al.	
	Filing Date: December 18, 2001	Group
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	Foam Dyeing and Finishing," <i>Canadian Textile Journal</i> , April 1980, page 55		
	A. C. Dreshfield, "The Drying of Paper," <i>Tappi Journal</i> , Vol. 39, No. 7, 1956, pp. 449-455		
	A. A. Robertson, "The Physical Properties of Wet Webs: Part 1," <i>Tappi Journal</i> , Vol. 42, No. 12, 1959, pp. 969-978		
	R. James, "Squeezing More Out of Pressing and Drying," <i>Pulp and Paper International</i> , Vol. 41, No. 12, December 1999, pp. 13-17		
	J. D. Lindsay, "Displacement Dewatering to Maintain Bulk," <i>Paperi Ja Puu</i> , Vol. 74, No. 3, 1992, pp. 232-242		
	M. Foulger and J. Parisian, "New Developments in Hot Pressing," <i>Pulp and Paper Canada</i> , Vol. 101, No. 2, Feb. 2000, pp. 47-49		
	P. H. Brodeur, "Acoustic Separation in a Laminar Flow," <i>Proceeding of IEEE Ultra Sonics Symposium</i> , Cannes, France, pp. 1359-1362 (Nov. 1994)		
	Young Hee Kim and Gang Sun, "Durable Antimicrobial Finishing of Nylon Fabrics with Acid Dyes and a Quaternary Ammonium Salt," <i>Textile Research Journal</i> , Vol. 71, No. 4, pp. 318-323, April 2001.		
	A. J. O'Lenick, Jr. and J. K. Parkinson, "Silicone Compounds: Not Just Oil Phase Anymore," <i>Soap/Cosmetics/Chemical Specialties</i> , Vol. 74, No. 6, June 1998, pp. 55-57		
	Annual Report 1998 Physical Chemistry - Cellulose Systems		
	BASF Aktiengesellschaft: Research and Development" <u>Innovation Award 2000</u>		
	C. Q. Yang, "Ftir Spectroscopy Study of Ester Crosslinking of Cotton Cellulose Catalyzed by Sodium Hypophosphite," <i>Textile Research Journal</i> , Vol. 71, No. 3, March 2001, pp. 201-206		
	C. Q. Yang, et al., "Nonformaldehyde Durable Press Finishing of Cotton Fabrics by Combing Polymers of Maleic Acid with Citric Acid," <i>Textile Research Journal</i> , Vol. 68, 1998, pp. 457-464		
EXAMINER		DATE CONSIDERED	
Examiner: initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.			